

C. H. TOLL.
Sacking-Brooms.

No. 153,226.

Patented July 21, 1874.

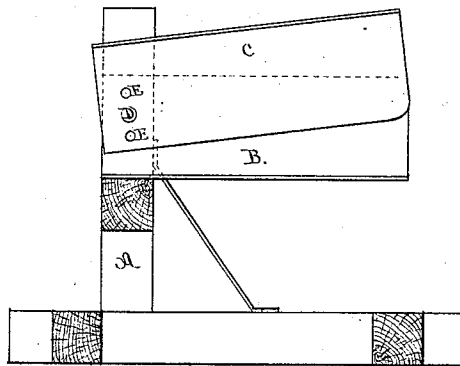


Fig. 1.

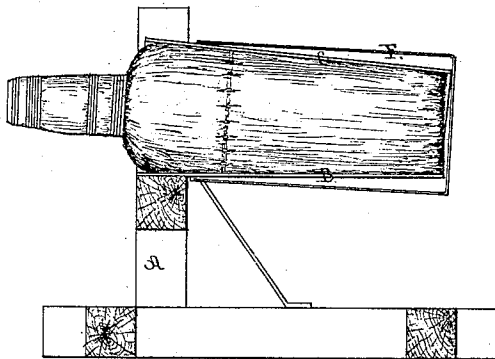


Fig. 2.

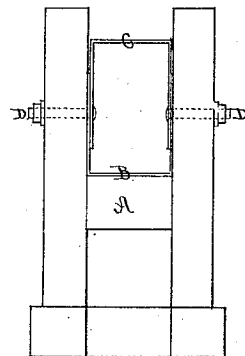


Fig. 3

Witnesses.
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UNITED STATES PATENT OFFICE.

CHARLES H. TOLL, OF SCHENECTADY, NEW YORK.

IMPROVEMENT IN SACKING-BROOMS.

Specification forming part of Letters Patent No. **153,226**, dated July 21, 1874; application filed February 1, 1872.

To all whom it may concern:

Be it known that I, CHARLES H. TOLL, of the city and county of Schenectady and State of New York, have invented certain Improvements in the Manufacture of Brooms; of which the following is a full and exact description, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a longitudinal section of my apparatus for compressing the brooms preparatory to applying the sacking; Fig. 2, the same, showing the manner of compressing the broom and applying the sacks; and Fig. 3 a rear elevation of the apparatus.

My invention consists in sacking brooms by means of sacks made independently of the process of sacking; and in the apparatus for compressing the brooms, constructed to operate as herein shown and described.

The frame-work A is constructed as shown in the drawings. Between its uprights a metal trough, B, is permanently fixed. A similar trough, C, is placed in an inverted position between the sides of the trough B, and swings freely upon the bolts D D. The two troughs B and C constitute the compressing-box of the apparatus. It can be adjusted, by means of the bolt-holes E E, to suit the various sizes of brooms. The sack F is made, independent of the process of sacking, of paper or other suitable material, and of any form to suit the broom or brooms to which it is to be applied, and having its sides and one end securely fastened before using it.

The manner of applying these sacks is as follows: The brooms are inserted into the compressing-box by passing their handles into the front end of it, and pushing them through until the ends of the strands are even with the front edges of the box, the upper part C being raised, as shown in Fig. 1, for the purpose of allowing the brooms to pass in freely. Sufficient pressure is then applied to the upper part C to compress the strands, as shown in Fig. 2, when the sack F can be passed freely

over the compressing-box without being caught by the strands of the brooms. The brooms are then pushed back out of the front end of the compressing-box, carrying with them in their course the sack F, which completely envelopes their strands.

Instead of a single broom, as shown in the drawings, bundles containing a dozen or any desired number of brooms may be put into a single sack by the same operation.

By using the sack herein described, it can be readily slipped partially off for the purpose of examining the quality of the brooms, and replaced without difficulty. It also protects the corn of the broom, after it has been bleached, from discoloration by the atmosphere or dust.

I am aware that brooms have heretofore been sacked by tying or sewing sheets of paper or sacking around them; but this process, while it is much more expensive and laborious, does not effect the same purpose that mine does, as the brooms cannot be examined without removing the sacking; and its replacement involves the same amount of labor that it required when originally put on. I do not, broadly, claim the sacking of brooms.

What I claim as my invention is—

1. The mode of sacking brooms herein described, viz., by first compressing the strands composing the heads, as specified, and, while compressed, enveloping the heads of the brooms by means of a sack, F, made independently of the process of sacking, substantially as and for the purpose specified.

2. The combination of the frame A with the compressing-box, consisting of the troughs B and C, constructed to operate substantially as herein set forth.

3. In combination with the sack F, when used for the purpose of sacking brooms, a compressing apparatus, constructed substantially as and for the purposes herein specified.

CHARLES H. TOLL.

Witnesses:

WILLIAM H. LOW,
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